



The Hebrew University of Jerusalem

Syllabus

Manual skills in Restorative dentistry Part 1 - 97360

Last update 30-08-2021

HU Credits: 5

Degree/Cycle: 1st degree (Bachelor)

Responsible Department: Dental Medicine

Academic year: 0

Semester: 1st Semester

Teaching Languages: Hebrew

Campus: Ein Karem

Course/Module Coordinator: Dr. Inon Lam

Coordinator Email: inon.lam@gmail.com

Coordinator Office Hours: Monday, 9:00-10:00

Teaching Staff:

Inon Lam,
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Yaffa Abboudi,
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Course/Module description:

A primary clinical course. This is the first clinical course in dental school. The students are learning how to remove caries and prepared teeth for restoration by amalgam or composite materials.

Course/Module aims:

1. Understanding the principles of cavity preparation.
2. The student will learn the basic manual skills for preparing a tooth for its restoration.
3. The student will learn the tools and techniques of restoring teeth with amalgam and composite.

Learning outcomes - On successful completion of this module, students should be able to:

1. Explain the rationale of the principles of cavity preparations.
2. Apply the principles to various types of cavities.
3. Recognize restorative materials properties and implement them clinically.
4. Recognize dentin and pulp protective materials and implement their clinical use.

Attendance requirements(%):

*Teaching arrangement and method of instruction: Weekly Lectures (Frontal/Zoom)
Clinical phantom assignments*

Course/Module Content:

1. Basic definitions
2. Principles of tooth preparation
3. Instruments
4. Rubber dam
5. Restorative Materials
6. Class I preparation
7. Class III preparation
8. Class V preparation
9. Ergonomics
10. Adhesion and composites
11. Composite restoration in posterior teeth
12. Pulp capping

Required Reading:

Sturdevant's Art & Science of Operative Dentistry. 7th ed.

Additional Reading Material:

None

Grading Scheme:

Additional information:

*For each part of the above the minimal passing grade is 70 out of 100.
Passing each part is obligatory for attending course 97650 in the next semester.*